## TABLE 3:
## ESTIMATED EXPOSURE CONCENTRATIONS AND THEIR ASSOCIATED RISKS FROM BOTH MODELED AND SIMULATED DATA FROM THE NORTH RIDGE ESTATES SITE, KLAMATH FALLS, OREGON

| Simulation Type *Source of Risk Estimate* | Time Factor[b] (unitless) | Time Averaged Observed/Modeled Concentrations[a] | | | | Estimated Risks | |
|---|---|---|---|---|---|---|---|
| | | Protocol Structures (s/cm$^3$) | Fraction Long Protocol Structures (%) | 7402 Fibers (s/cm$^3$) | Asbestos Type | Protocol Structures (unitless) | 7402 Fibers (unitless) |
| Child's Play | | | | | | | |
| *Simulation with soil report time estimates[c]* | 2.6E-02 | 3.4E-03 | 21% | 3.9E-04 | Chrys | 1.E-04 | 9.E-05 |
| *Soil Report Modeling Estimates[d]* | 2.6E-02 | 3.0E-04[f] | 50% | 1.3E-04 | Mixed | 8.E-05[f] | 3.E-05 |
| Weed Trimming | | | | | | | |
| *Simulation with new time estimates[e]* | 5.9E-04 | 2.8E-05 | 47% | 3.7E-06 | Chrys | 3.E-06 | 9.E-07 |
| *THIS PATHWAY NOT PREVIOUSLY MODELED* | | | | | | | |
| Rototilling | | | | | | | |
| *Simulation with soil report time estimates[c]* | 8.2E-04 | 1.6E-05 | 0% | 2.7E-06 | Chrys | 4.E-08 | 6.E-07 |
| *Soil Report Modeling Estimates[d]* | 8.2E-04 | 4.9E-04[f] | 50% | 1.9E-04 | Mixed | 8.E-05[f] | 4.E-05 |

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**URF's**
 For Protocol Structures (from Berman and Crump 2001)

|  | Chrysotile | Amphibole |
|---|---|---|
| (for 1% Long) | 0.0025 | |
| (for 21% Long) | 0.039 | |
| (for 47% Long) | 0.092 | |
| (for 50% Long) | 0.098 | 7 |

 For 7402 Structures (from IRIS 1988)
  (for all 7402 structures)   0.23

**Key:**
Chrys   means chrysotile
Mixed   means combined chrysotile and amphibole

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**NOTES:**

[a] The concentrations presented in these columns are time-averaged estimates derived as the product of the time-factor (indicating the ratio of the estimated duration and frequency of exposure for the specific scenario) and the maximum of the measured concentrations within each simulation.

[b] The time factors indicated in this table are derived as the ratio of the product of the duration (number of years) and frequency (hours per day x days per year) of exposure (in hours) estimated for a particular exposure scenario and the number of hours in lifetime-continuous exposure.

[c] These are concentration and risk estimates derived using simulation data (Table 1) and time estimates from Berman 2004. The maximum of the observed values are employed in all cases to represent each specific activity evaluated.

[d] These are the concentration and risk estimates that were modeled and reported in Berman 2004.

[e] Because this pathway was not previously modeled, new time estimates were required. The weed trimming pathway assumes once per week for one hour during summer months: 1 hr/day*12 days/yr*30 years/(24 hrs/day*365 days/year*70years)

[f] These include contributions from both chrysotile and amphibole asbestos.

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